A C 4422(1) Luton
LIBRARY
ENCLOSURE
No 860

BOROUGH OF LUTON

ANNUAL REPORT

of the

Medical Officer of Health

and the

Chief Sanitary Inspector

FOR THE YEAR 1944

FRED GRUNDY, M.D., M.R.C.S., D.P.H.,
Medical Officer of Health.

ARTHUR J. NICHOLS, M.R.S.I., M.S.I.A.,
Chief Sanitary Inspector.

68160

LONDON SCHOOL OF HYGIENE ★ AND TROPICAL MEDICINE
LIBRARY
21 JUN 1968

BOROUGH OF LUTON

Public Health Department,
Town Hall,
LUTON,
June, 1945.

The Worshipful the Mayor, Aldermen and
Councillors of the Borough of Luton.

Ladies and Gentlemen,

I am glad to be able to submit the Sixty-sixth Annual Report on the health and sanitary conditions of the Borough somewhat earlier than has hitherto been possible.

It is, in my view, of some moment that an Annual Report should be published soon after the close of the year to which it relates and the better organisation of departmental statistics has speeded the compilation of this Report notwithstanding major amendments to the form of many tables. It will be noticed, however, that page 5, which refers to certain national rates and official statistics has been left blank. This is so because the official figures provided by the General Register Office will not be available for some little time. It is intended to print later in the year a slip for affixing to the blank page. If this practice commends itself to you it will be followed in the future, and provided there is no drastic revision to make, there is no reason why in future years the Annual Report should not be in your hands by February or March. Certain of the rates given on page 4 are provisional and will not necessarily be the same as the final official rates, but I am satisfied that any differences will be so small as not to matter for all practical purposes.

The table of comparative statistics on page 6 is a new feature which I hope will be useful for general reference. It discloses for 1944 a happy state of affairs. There have never before been so many births in the town; the Birth Rate has surpassed all previous rates since 1920; both stillbirth rate and infant mortality rate are the lowest ever recorded. It is not my intention to comment now on these remarkable facts because a detailed analysis is at present being undertaken and it will be the subject of a special report early in 1946.

The incidence of notifiable infectious diseases during the year was in no way remarkable except for the fact that only two cases of diphtheria were notified and both recovered. Not one death therefore, was attributable to this disease. Notifications of whooping cough amounted to 208 with 3 fatal cases; 229 cases of scarlet fever were notified but there was no death from this cause; there was little measles compared with the two previous years. Fewer children were immunised against diphtheria during the year than in any other year since 1940. Indeed, the number immunised was not enough to maintain the percentage of immunised child population at the end of 1944 at the level it had reached in December, 1943. Active

steps will be taken to remedy this state of affairs. Experience has shown beyond doubt that the consent of parents is best obtained in this Borough by personal contact, and your Health Visiting staff and School Teachers, who have co-operated with the department in a most praiseworthy fashion, will be used as the main channels of contact.

It is with great regret that I have to record that negotiations with the Luton and Dunstable Hospital for the establishment of a joint laboratory service in the Borough came to naught, and in June the existing arrangement with the Hospital was terminated. I would not presume here to pass judgment on the causes of the failure to introduce a scheme which promised to provide an improved service both for the Borough and adjacent County districts, but I feel justified in recording my conviction that in this and other fields the most efficient service will be provided for the community only if the bodies concerned are able to work together fully and harmoniously. To achieve this aim the welfare of the community will have to come before the interests of bodies responsible for individual services and a spirit of give and take will also be essential.

In the Annual Report for 1943 I had occasion to refer to the development of a programme of health education arising out of a campaign against venereal diseases. I am now able to report that in September, 1944, a wholetime biologist was attached to the Health Department for the purpose of developing a scheme of biology teaching in the Council's schools and in connection with adult education in health matters. By the end of the year syllabuses had been drawn up, experimental courses in several schools undertaken and an adult course had been started in the new lecture theatre provided for the purpose at 48, Napier Road. It is too early to report fully on the results of this experiment but it is already safe to say that the Borough Council is pioneering in a new field of public health which is likely to become an accepted part of national health policy in the future.

Another development to which reference must be made is the appointment to the department in November, 1944, of a part-time statistical officer for advisory purposes. The scope of his duties have already been defined and a beginning has been made in building up a system of statistical records which may be expected to yield information of great value to the Council and of no little interest to health officers and demographers in other places.

There were 175 illegitimate live births notified during the year or approximately 7 per cent. of all live births were illegitimate. This is the highest percentage recorded since the years 1917, 1918 and 1919. But it will be seen from the figures on page 4 that the infantile mortality rate of illegitimate infants was only a little less favourable than that of legitimate infants. Your Superintendent Health Visitor has reported on the circumstances of each illegitimate child and the department has given every possible assistance according to the need.

The care of premature infants was reviewed during the year in accordance with Circular 20/44 (Ministry of Health) and since June 1st space has been provided on Notification of Birth cards for the weight at births of infants weighing 5½ lbs. or less. Special equipment has been made available by the authority for the care of premature infants in the home and it is available on loan to mothers through domiciliary midwives. Your

Supervisor of Midwives and her Deputy who are both experienced in the care of these infants, visit homes for the purpose of advising and assisting district midwives. The services of a home help are provided whenever conditions permit. Arrangements have been made for the immediate follow up of premature infants discharged from the Council's Maternity institutions, and other maternity institutions in the Borough have been requested to notify the department whenever a premature infant is discharged so that similar services may be offered in every case. It has not been possible to improve existing accommodation for premature infants in the Borough maternity institutions but the matter has been reviewed and specially designed accommodation is included in plans for implementation after the war.

Notwithstanding the impact of war the department maintained a high standard of work and no essential services suffered. I should like to refer once more to the loyal and effective support which I have had from every member of the staff and to express my appreciation of the help given by colleagues in other departments. Your committees have supported the department's work with a sympathetic understanding and the exceptional co-operation of citizens, for whom the department's services are provided, has added greatly to the pleasure of my work.

I have the honour to be,

Your obedient Servant,

F. GRUNDY,

Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

1. GENERAL STATISTICS.

Area (from 1st April, 1939)	8,736	acres
Population (Census 1931)	68,523	
Registrar-General's Estimate for 1944	100,650	
Number of inhabited houses, 1st April, 1944	28,549	
Rateable value (1st April, 1944)	£869,840	
(*unreduced*)	£24,035	
	£893,875	
(*reduced*)	£744,890	
	£24,035	
	£768,925	
Sum represented by Penny Rate (est. 1944-45)	£3,050	

2. EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1944.

		Total.	*Males.*	*Females.*
*Notified live births	Legitimate ...	2,286	1,228	1,058
	Illegitimate ...	175	90	85
		2,461	1,318	1,143

Birth Rate per 1,000 of estimated resident population (provisional) 24.5

		Total.	*Males.*	*Females.*
*Notified stillbirths	Legitimate ...	53	30	23
	Illegitimate ...	6	3	3
		59	33	26

Total Live and Stillbirths	2,520
Rate per 1,000 total (live and still) births	23.4

	Total.	*Males.*	*Females.*
Registered Deaths	1,027	503	524
Death rate per 1,000 estimated resident population			10.2

Deaths from Puerperal Causes (Headings 29 and 30 of Registrar-General's short list) :—

	Deaths.	*Rate per* 1,000 *total births.*
No. 29 Puerperal Sepsis	—	—
No. 30 Other Puerperal causes ...	3	1.2
Total	3	1.2

Death Rates of Infants under 1 year of age :—

All Infants per 1,000 live births (provisional)	33
Legitimate per 1,000 legitimate births (provisional) ...	33
Illegitimate per 1,000 illegitimate births (provisional) ...	40

* Corrected for outward transfers.

TABLE 1.

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY, MATERNAL DEATH RATES AND CASE RATES FOR CERTAIN INFECTIOUS DISEASES IN THE YEAR 1944.

(England and Wales, London, 126 Great Towns and 148 Smaller Towns).
(Provisional figures based on Weekly and Quarterly Returns).

TABLE 2. COMPARATIVE STATISTICS FOR THE LAST 10 YEARS.

Year	Estimated Population	LIVE BIRTHS		STILLBIRTHS		DEATHS		INFANT DEATHS			Rate per 1000 live births	MATERNAL DEATHS			
		Number	Rate per 1000 estimated population	Number	Rate per 1000 total births	Number	Rate per 1000 estimated population	Under 4 weeks	4 weeks —12 months	TOTAL		Number			Rate per 1000 total births
												Sepsis	Other	Total	
1935	80,020	1,282	16.0	57	42.6	845	10.6	27	26	53	41	3	7	10	7.46
1936	85,600	1,406	16.4	65	46.3	852	10.0	28	21	49	34	2	4	6	4.06
1937	89,360	1,530	17.1	61	38.3	935	10.5	33	24	57	37	—	6	6	3.77
1938	90,840	1,567	17.3	49	30.3	872	9.6	45	25	70	44	2	4	6	3.71
1939	94,110	1,528	16.5	61	38.4	945	10.0	34	23	57	37	1	3	4	2.51
1940	99,440	1,543	15.0	35	21.3	1,128	11.3	40	42	82	53	—	2	2	1.21
1941	103,990	1,440	13.9	47	31.6	1,036	10.0	38	36	74	49	—	2	2	1.29
1942	101,600	1,820	18.0	69	36.5	998	9.8	42	39	81	44	—	1	1	0.52
1943	98,950	1,902	19.2	60	30.6	994	10.0	41	39	80	42	2	5	7	3.56
1944	100,650	2,461	24.5	59	23.4	1,027	10.2	40	43	83	33	—	3	3	1.2

TABLE 4. DEATHS OF LUTON RESIDENTS DURING THE YEAR 1944.

CAUSE OF DEATH	All Ages	Under 4 weeks	1 month to 1 year	Total under 1 year	1-5	5-10	10-15	15-25	25-35	35-45	45-55	55-65	65-75	75+
1. Typhoid and Paratyphoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Cerebro-spinal Fever	3	—	1	1	1	—	—	—	1	—	—	—	—	—
3. Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. Whooping Cough	3	—	1	1	2	—	—	—	—	—	—	—	—	—
5. Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Tuberculosis of Respiratory System	52	—	—	—	1	—	2	11	8	6	13	7	3	1
7. Other forms of Tuberculosis ...	9	—	—	—	—	3	—	1	—	1	2	1	—	1
8. Syphilitic Disease	3	1	—	1	—	—	—	—	—	1	—	1	—	—
9. Influenza	9	—	1	1	1	1	—	—	1	—	3	1	—	1
10. Measles	1	—	—	—	1	—	—	—	—	—	—	—	—	—
11. Acute Poliomyelitis and Polio-encephalitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. Acute Infectious Encephalitis ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13M. Cancer of Buccal Cavity and Oesophagus	11	—	—	—	—	—	—	—	1	—	—	2	6	2
13F. Cancer of Uterus	11	—	—	—	—	—	—	—	1	—	2	7	—	1
14. Cancer of Stomach and Duodenum	31	—	—	—	—	—	—	—	—	2	3	8	14	4
15. Cancer of Breast	30	—	—	—	—	—	—	—	—	3	5	9	8	5
16. Cancer of all other sites	96	—	—	—	1	1	—	—	1	5	14	22	35	17
17. Diabetes	8	—	—	—	—	—	—	—	—	1	1	—	3	3
18. Intra-cranial Vascular Lesions ...	84	—	—	—	—	—	—	—	—	5	8	17	29	25
19. Heart Disease	214	—	—	—	—	—	—	1	6	8	16	41	59	83
20. Other Diseases of the Circulatory System	78	—	—	—	—	—	—	—	—	1	3	14	26	34
Totals	643	1	3	4	7	5	2	13	19	33	70	130	183	177

DEATHS OF LUTON RESIDENTS DURING THE YEAR 1944 (continued)

CAUSE OF DEATH	All Ages	Under 4 weeks	1 month to 1 year	Total under 1 year	1-5	5-10	10-15	15-25	25-35	35-45	45-55	55-65	65-75	75+
Totals	643	1	3	4	7	5	2	13	19	33	70	130	183	177
21. Bronchitis	38	—	2	2	—	—	—	—	—	1	4	8	13	10
22. Pneumonia	46	1	9	10	4	2	—	1	3	3	6	7	6	4
23. Other Respiratory Diseases ...	2	—	—	—	—	—	—	—	1	—	1	—	—	—
24. Ulceration of the Stomach or Duodenum	8	—	—	—	—	—	—	—	2	—	2	3	1	—
25. Diarrhoea (under 2 years) ...	17	3	14	17	—	—	—	—	—	—	—	—	—	—
26. Appendicitis	4	—	—	—	—	—	1	—	—	—	1	—	1	1
27. Other Digestive Diseases ...	15	—	—	—	—	—	—	1	—	2	—	3	6	3
28. Nephritis	22	—	—	—	—	—	—	—	—	6	7	5	3	1
29. Puerperal and Post Abortive Sepsis	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30. Other Maternal Causes	3	—	—	—	—	—	—	—	2	1	—	—	—	—
31. Premature Birth	10	9	1	10	—	—	—	—	—	—	—	—	—	—
32. Congenital Malformations, Birth Injury, Infantile Disease	32	23	8	31	1	—	—	—	—	—	—	—	—	—
33. Suicide	15	—	—	—	—	—	—	1	1	3	6	2	1	1
34. Road Traffic Accidents	14	—	—	—	—	4	2	—	1	1	1	2	2	1
35. Other Violent Causes	42	3	3	6	4	—	1	1	1	5	5	5	8	6
36. All Other Causes	116	—	3	3	—	2	1	4	3	8	3	13	15	64
Totals	1027	40	43	83	16	13	7	21	33	63	106	178	239	268

TABLE 5.

NOTIFIED INFECTIOUS DISEASES, 1944 Civilian (Corrected in cases of revised diagnosis).

	Under 1 year	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-25	25-35	35-45	45-65	Over 65	TOTAL
Scarlet Fever	—	4	11	15	29	136	21	5	2	3	2	—	1	229
Diphtheria	—	—	—	—	1	—	1	—	—	—	—	—	—	2
Whooping Cough	27	31	38	18	22	66	3	1	1	—	1	—	—	208
Measles	1	5	11	6	11	13	3	3	2	2	—	—	—	57
Pneumonia	4	1	1	—	1	4	1	1	—	2	4	8	5	32
Anterior Poliomyelitis	—	—	2	—	—	1	—	—	—	—	—	—	—	3
Dysentery	2	5	7	3	—	3	3	—	2	—	1	2	—	28
Ophthalmia Neonatorum ...	3	—	—	—	—	—	—	—	—	—	—	—	—	3
Puerperal Pyrexia	—	—	—	—	—	—	—	4	4	12	3	—	—	23
Cerebro Spinal Fever	3	—	—	1	—	—	—	1	—	—	—	—	—	5
Erysipelas	—	—	—	—	—	—	—	—	—	3	5	11	5	24
Jaundice	—	—	—	—	3	28	20	5	3	5	5	2	—	71
Totals	40	46	70	43	67	251	52	20	14	27	21	23	11	685

DIPHTHERIA IMMUNISATION

Number of children immunised since the inception of the scheme :

	Under 5 years	*Over 5 years*	*Total*
1936	—	—	936
1937	—	—	482
1938	—	—	320
1939	—	—	112
1940	82	122	204
1941	1,207	6,631	7,838
1942	1,836	1,038	2,874
1943	1,659	1,938	3,597
1944	1,037	97	1,134

	Under 5 years	*Between 5 and 15 years*
Estimated percentage of the child population immunised at 31st December, 1944 ...	38%	72%
(*a*) Number of cases of diphtheria in children under 15 years of age notified during the year	2	
(*b*) Number of cases included in (*a*) in which the child is known to have completed the course of immunisation not less than 12 weeks before the onset of the disease	1	
(*c*) Number of deaths from diphtheria registered in the Authority's area during the year, of children under 15 years of age ...	0	
(*d*) Number of deaths included in (*c*) in which the child is known to have completed the course of immunisation not less than 12 weeks before the onset of the disease	0	

OPHTHALMIA NEONATORUM

(*a*) Number of cases notified during the year	3
(*b*) Number of cases visited by officers of the Council	3
(*c*) Number of cases removed to hospital	1
(*d*) Number of cases for whom home nursing was provided by the Council	2
(*e*) Number of cases in which vision was impaired	Nil

DIPHTHERIA IMMUNISATION.

GRAPH SHOWING PERCENTAGE OF UN-IMMUNISED POPULATION 0-15 YEARS

together with

INCIDENCE, AND DEATHS FROM DIPHTHERIA.

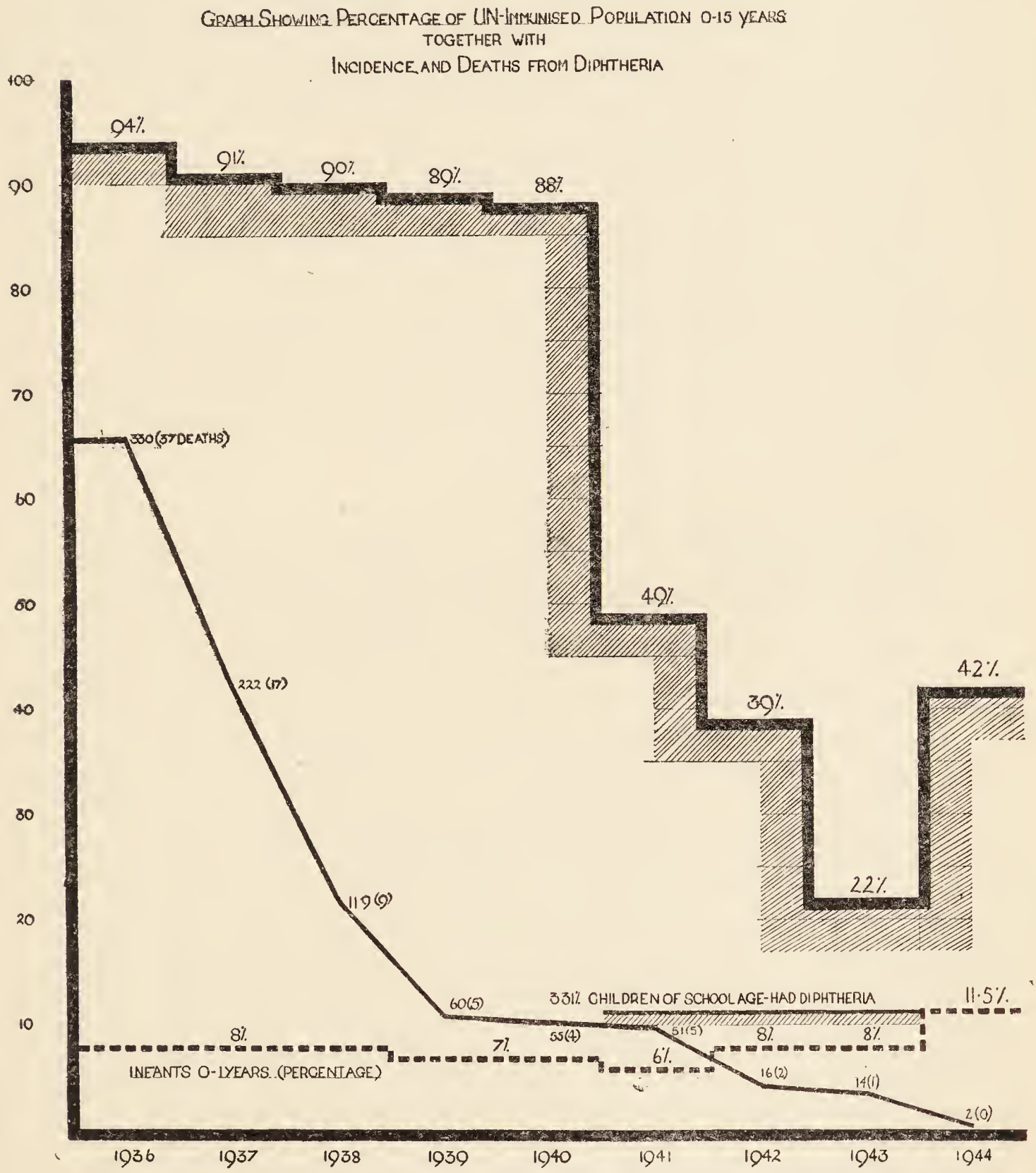

TABLE 6.

PARTICULARS OF NEW CASES OF TUBERCULOSIS AND ALL DEATHS FROM THE DISEASE DURING 1944.

Age Periods	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	—	—	—	—	—	—	—	—
1 ,,	1	—	1	1	1	—	—	—
5 ,,	5	1	4	4	—	—	1	2
10 ,,	2	4	2	—	1	1	—	—
15 ,,	7	6	1	1	2	1	1	—
20 ,,	7	15	5	1	3	5	—	—
25 ,,	17	15	3	5	3	5	—	—
35 ,,	24	9	3	4	5	1	—	1
45 ,,	9	2	2	—	11	2	—	2
55 ,,	7	2	1	—	5	2	1	—
65 +	3	2	—	—	4	—	—	1
Age Unknown	—	—	—	1	—	—	—	—
Totals ...	82	56	22	17	35	17	3	6

TABLE 7.

DISTRIBUTION OF NOTIFIED BIRTHS AS BETWEEN INSTITUTIONAL AND DOMICILIARY CONFINEMENT.

Uncorrected for Outward Transfers.

Year	Institutional					Domiciliary				Grand Total
							Notified by			
	B.M.H.	Em. Unit	P.A.I.	Private Nsg. Home	Total	Mun. M/W	Private M/W	Dr. & Parents	Total	
1935	—	—	20	112	132	—	681	527	1,208	1,340
1936	28	—	42	202	272	—	770	423	1,193	1,465
1937	445	—	19	169	633	124	527	390	1,041	1,674
1938	540	—	26	172	738	477	271	210	958	1,696
1939	568	84	38	166	856	583	131	109	823	1,679
1940	588	175	21	194	978	674	—	106	780	1,758
1941	583	504	46	216	1,349	463	—	162	625	1,974
1942	576	681	58	329	1,644	508	3	196	707	2,351
1943	533	535	115	467	1,650	451	1	224	676	2,326
1944	631	699	190	508	2,028	534	39	156	729	2,757
Total	4,492	1,678	575	2,535	10,280	3,814	2,423	2,503	8,740	19,020

TABLE 8.

STILLBIRTHS.

Cause	B.M.H.	Em. Unit	L. & D.H.	St. Mary's Hosp.	Doctor	Midwife	Nursing Home	Total
Maternal Toxæmia	3	2	—	—	—	—	2	7
Chronic Maternal Disease ...	1	1	—	—	—	—	—	2
Foetal malformation	3	7	—	1	—	—	1	12
Prematurity ...	—	1	—	1	1	—	1	4
Complications of labour	8	6	—	1	2	1	5	23
Other	7*	7	2	—	2	2	3	23
Total ...	22	24	2	3	5	3	12	71

* All Macerated.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1 (A). BACTERIOLOGICAL AND PATHOLOGICAL WORK.

Total number of examinations carried out	**10,385**
Public Health Department	4,379
Other Local Authorities	**447**
Beds. County Council	154
Dunstable Borough	67
Leighton Buzzard U.D.C.	67
Luton R.D.C.	52
Isolation Hospital, Dunstable	78
Other Authorities	29
Luton and Dunstable Hospital (with the assistance of an E.M.S. Assistant Pathologist)	4,028
Luton Children's Hospital	527
Beds. National Health Insurance Committee	320
Pathologist's private practice	684
Bacteriological examinations	**5,829**
Diphtheria	2,002
Biological	23
Complement fixation tests (not performed in this laboratory)	157
Other examinations	3,547
Biochemistry	**1,374**
Blood examinations	520
Urine examinations	703
Miscellaneous examinations	151
Sanitary Investigations	**435**
Water investigations	195
Milk ,, ...	237
Miscellaneous ,, ...	3
Haematology	**2,304**
Histology	**369**
Post mortem examinations	**74**

In June the arrangement with the Luton and Dunstable Hospital was terminated and the Borough Pathologist now devotes his whole time to work in the Council's laboratory. The figures for work for the Hospital (done in both laboratories) relate to the months of January to May inclusive.

1 (B). PROFESSIONAL NURSING IN THE HOME.

No change.

1 (C). CLINICS AND TREATMENT CENTRES.

During the year it became necessary to arrange for additional sessions at some of the infant welfare centres to cope with the increased congestion.

TABLE 9.

NUMBER OF ATTENDANCES AT ANTE-NATAL CLINICS DURING THE YEAR 1944.

1944	Maternity Hospital		Beechwood Health Centre		Total Att'ces	Post-Natal Clinic Total Attends	School for Mothers Total Attends
	First Attends	Subs. Attends	First Attends	Subs. Attends			
January	9	253	144	844	1250	46	55
February ...	9	227	134	860	1230	43	44
March	7	281	130	973	1391	64	75
April	10	204	110	803	1117	39	36
May	7	171	121	883	1182	51	40
June	12	301	138	792	1243	47	26
July	8	262	157	878	1305	55	41
August	15	355	174	792	1336	59	62
September ...	8	337	118	771	1234	70	84
October	6	258	122	855	1241	66	22
November ...	7	279	125	829	1240	62	63
December ...	6	278	58	596	938	35	26
Totals ...	104	3,196	1,531	9,876	11,407	637	574

TABLE 10.

ATTENDANCES AT ANTE-NATAL CLINICS, 1935—1944.

	First Attendances	Subsequent Attendances	Total Attendances
1935	—	—	535
1936	384	1,035	1,419
1937	927	3,264	4,191
1938	1,018	3,686	4,704
1939	1,616	3,967	4,960
1940	1,630*	6,782*	8,412*
	695	2,025	2,720
1941	2,022*	8,416*	10,438*
	587	1,788	2,375
1942	2,136*	12,729*	14,865*
	652	3,022	3,674
1943	2,038*	13,470*	15,508*
	611	2,855	3,466
1944	2,170*	15,092*	17,362*
	535	2,020	2,555

* Includes Municipal Midwives figures shown immediately below.

TABLE 11.

NUMBER OF CONSULTATIONS, WEIGHINGS, ETC., AT INFANT WELFARE CENTRES, DURING THE YEARS 1940—1944.

	First Attendances		No. on Register at end of year	Consultations	Infants weighed
	Under 1 year	1-5 years			
1940	1,619	455	4,147	6,334	31,965
1941	1,427	525	4,085	4,952	32,990
1942	1,449	209	3,865	—	21,124
1943	1,508	132	3,829	—	28,262
1944	2,199	262	3,996	—	33,223

INSTITUTE OF RAY THERAPY.

203 Cases were treated at the Institute on behalf of the Local Authority. Lump sum payment £50.

DENTAL CLINIC.

Adults—

No. of sessions	47
No. of patients referred	145
No. of patients who attended	146
No. of attendances made	489
No. of cases in which dentures were supplied	23
Cost of dentures	£135 13s. 6d.
Amount recoverable from patients	£113 9s. 9d.

Children—

No. of patients referred	113
No. of patients who attended	106
No. of attendances made	195

NATIONAL SOCIETY FOR THE PREVENTION OF CRUELTY TO CHILDREN.

During the year 1944 the Inspectors were responsible for dealing with 120 cases on behalf of the Department.

TABLE 12.

HOME VISITS BY HEALTH VISITORS.

	Children under 1 year		Children 1-5 years		Expectant Mothers		Special Visits Infectious Disease, etc.	Infant Life Protection	Total Visits
	First Visits	Re-Visits	First Visits	Re-Visits	First Visits	Re-visits			
1938 ...	1,555	5,475	467	11,786	366	149	1,354	399	21,551
1939 ...	1,656	5,590	863	10,762	—	503	4,530	352	23,156
1940 ...	1,679	3,993	239	8,099	—	325	6,376	205	20,196
1941 ...	1,963	5,008	112	8,583	—	219	5,422	131	21,438
1942 ...	2,203	5,698	273	7,765	—	56	8,665	65	24,725
1943 ...	1,986	8,594	45	8,603	—	238	4,997	203	24,666
1944 ...	2,760	7,981	173	7,451	—	171	3,980	288	22,804

BURY PARK CLEANSING STATION.

Total attendances at cleansing station	8,003
Number of treatments by bathing	3,979
Number of heads cleansed	1,047
Number of individual cases of scabies treated during the year	2,474
Number of follow-up visits paid to homes	224

PUBLIC HEALTH ACT, 1936, PART VII.
CHILD LIFE PROTECTION.

Number of persons who were receiving children for reward at the end of the year	32
Number of children :	
(*a*) At the end of the year	33
(*b*) Who died during the year	—
(*c*) On whom inquests were held during the year	—
Number of child protection visitors at the end of the year who were :	
(*a*) Health visitors	1
(*b*) Female, other than health visitors	—
(*c*) Male	2
Number of other authorised visitors	Nil
Proceedings taken during the year	Nil

ADMINISTRATION OF THE MIDWIVES' ACTS.

Distribution of Midwives, 31st December, 1944.

(*a*) Private Practice	2
(*b*) Municipal Midwives	9
(*c*) In Private Nursing Homes	5
(*d*) Public Assistance Institution	10
(*e*) Borough Maternity Hospital	17

TABLE 13.

NOTIFICATIONS RECEIVED FROM MIDWIVES.

	Nursing Homes	Municipal Mdwves.	P.A.I.	Mat. Hosp. & Ext.	Independent Practice	Total
(*a*) Intention to practise ...	12	10	12	17	2	53
(*b*) Intention to cease practise	—	—	—	—	—	—
(*c*) Change of address ...	—	—	—	—	—	—
(*d*) Change of name ...	—	—	—	—	—	—
(*e*) Sending for medical help	—	92	—	—	—	92
(*f*) Stillbirths occurring in practice	5	3	—	—	—	8
(*g*) Deaths occurring in practice—						
(i) Mothers ...	—	—	—	—	—	—
(ii) Infants	—	7	—	—	—	7
(*h*) Laying out the dead ...	3	9	—	—	—	12
(*i*) Liability to be a source of infection	2	1	—	—	—	3
(*j*) Substitution of artificial feeding	5	5	—	—	—	10

Supervisor of Midwives.

Routine inspection visits	2
,, ,, ,, (Midwife out)	—
Special enquiry visits in respect of notifications :	
(*a*) Medical help	85
(*b*) Stillbirths	11
(*c*) Deaths occurring in practice	—
(*d*) Ophthalmia Neonatorum	—
(*e*) Laying out the dead	—
(*f*) To supervise disinfection	—
Other visits :	
Puerperal Pyrexia	2
Home helps	44
Nursing mothers	102
Labour visits	1
Nursing Homes	37
Administration of Gas and Air Analgesia	—
Ante-Natal and Post-Natal	113
Administration	686
Total	1,083
Ante-Natal Clinics attended	179

Medical Aid.

During the year medical aid was sought in 92 of the midwives' cases.

During this period 95 accounts amounting to £146 11s. 6d. were received from medical practitioners for services rendered in response to requests for medical help from midwives, and the sum of £123 4s. 10d. is recoverable from patients.

TABLE 14.

NUMBER OF CASES ATTENDED BY MIDWIVES.

District Number	Acting as Midwife	Acting as Maternity Nurse	Total
1	54	23	77
2	50	37	87
3	48	22	70
4	50	33	83
5	37	40	77
6	24	25	49
7	60	35	95
8	30	22	52
Total	353	237	590

TABLE 15.

NUMBER OF VISITS PAID BY MIDWIVES.

District Number	Expectant Mothers	Nursing Mothers	Post-Natal	Total
1	849	2,308	196	3,353
2	415	1,049	136	1,600
3	564	1,815	16	2,395
4	666	1,714	172	2,552
5	620	1,776	67	2,463
6	197	842	72	1,111
7	823	2,012	76	2,911
8	164	968	77	1,209
Total	4,298	12,484	812	17,594

TABLE 16. NUMBER OF PATIENTS ATTENDING MIDWIVES' ANTE-NATAL CLINICS.

District Number	No. of Clinics	No. of First Attendances	Subsequent Attendances	Total
1	24	75	297	372
2	21	44	155	199
3	26	79	338	417
4	25	71	324	395
5	21	73	258	331
6	23	36	137	173
7	21	102	301	403
8	20	55	210	265
Total	181	535	2,020	2,555

TABLE 17.
NUMBER OF PATIENTS ATTENDING CONSULTANT CLINICS.

District Number	No. of Clinics Attended	Attendances of Patients		Total
		Ante-Natal	Post-Natal	
1	46	124	26	150
2	22	53	2	55
3	33	106	9	115
4	23	100	11	111
5	22	84	12	96
6	14	28	—	28
7	32	127	29	156
8	6	35	—	35
Total	198	657	89	746

TABLE 18.

LEGITIMATE LIVE BIRTHS OCCURRING IN THE MUNICIPAL MIDWIFERY SERVICE DURING THE YEAR 1944.

(excluding Multiple Births)

The number of previous pregnancies (irrespective of outcome) being

Age of Mother at Maternity	1	2	3	4	5	6	7	8	9+	Total
Years										
15–20	2	—	—	—	—	—	—	—	—	2
20–25	44	39	6	1	1	1	—	—	—	92
25–30	28	60	36	17	5	2	2	—	—	150
30–35	19	60	40	19	13	7	—	1	1	160
35–40	5	12	23	19	11	9	11	2	4	96
40–45	1	2	10	3	4	3	1	2	5	31
45+	—	—	—	—	—	—	—	—	1	1
All Ages	99	173	115	59	34	22	14	5	11	532

Multiple births ... 5 Illegitimate births 4
Stillbirths ... 6 Insufficient information ... 3

TABLE 19.

NURSING HOMES REGISTRATION ACT, 1927.

Name of Nursing Home	Date of Registration with Luton Borough Council	DIVISION OF BEDS			
		Maternity	Surgical	Medical	Total
Westdale	1.7.36 formerly with Beds C.C.	4	—	—	4
The Haven	1.7.36 formerly with Beds. C.C.	4	—	—	4
The Chase	1.7.36 formerly with Beds. C.C.	—	—	14*	14
TOTALS		8	—	14	22

* Used for maternity cases.

During the year 53 women were delivered in the Westdale Nursing Home, 90 in the Haven Nursing Home, and 235 in the Chase Nursing Home.

BOROUGH MATERNITY HOSPITAL.

Clinical Statistics.

	Borough Maternity Hospital.	*Extension.*	*Total.*
No. of patients in hospital—1.1.44 ...	25	16	41
No. of patients admitted during the year	715	782	1,497
No. of Patients discharged during the year	716	774	1,490
No. of patients in hospital—31.12.44 ...	24	24	48
No. of patients died during the year ...	—	2	2
Admissions :			
No. of patients admitted for confinement—			
Borough	481	658	1,139
Other	146	47	193
No. of patients admitted for ante-natal or post-natal treatment—			
Borough	62	73	135
Others	26	4	30
	715	782	1,497
No. of patient days :			
(*a*) Ante-natal or post-natal treatment	1,394	846	2,240
(*b*) Confinements	7,922	8,060	15,982
(*c*) Total	9,316	8,906	18,222
Average duration of stay of women delivered in hospital	12.5 days	11.5 days	—
Number of patients delivered by :			
(*a*) Midwives	564	641	1,205
(*b*) Doctors	65	53	118

TABLE 20. LEGITIMATE LIVE BIRTHS WHICH OCCURRED IN THE COUNCIL'S MATERNITY INSTITUTIONS DURING THE YEAR, 1944 (excluding multiple births).

The number of previous pregnancies (irrespective of outcome) being :

Age of Mother at Maternity	1	2	3	4	5	6	7	8	9+	Total
Years										
15–20	46	4	—	—	—	—	—	—	—	50
20–25	242	88	20	—	—	1	—	—	1	352
25–30	152	114	52	11	9	1	—	—	—	339
30–35	86	118	72	21	8	6	3	—	3	317
35–40	26	49	38	20	10	6	6	2	4	161
40–45	2	7	6	5	3	1	2	—	3	29
45+	—	—	—	1	—	—	—	—	—	1
All Ages	554	380	188	58	30	15	11	2	11	1249

Multiple Births	8
Stillbirths	22
Illegitimate Births	10

	Borough Maternity Hospital.	*Extension.*	*Total.*
Operations performed :			
Forceps delivery	41	37	78
Caesarean Section	5	—	5
Caesarean Section and sterilisation ...	1	—	1
Hysterotomy and Sterilisation	—	—	—
Ruptured membranes for induction of labour	9	3	12
Manual removal of placenta	4	12	16
Perineal tear	80	83	163
Other operations	15	30	45
Daily average for the year	25		
Maximum number of patients on any one day	36		
Forceps rate	6.5%	5.3%	
No. of deliveries	629	694	1,323
No. of viable children born	614	674	1,288
No. of stillbirths	22	24	46
No. of infantile deaths	9	5	14
Causes of infantile death :			
Birth injury with shock or asphyxia ...	4	—	4
Congenital heart disease	1	1	2
Hydrocephalus	1	1	2
Cleft palate : debility	1	1	2
White asphyxia	1	—	1
Enteritis	1	—	1
Icterus Neonatorum	—	1	1
Congenital anaemia	—	1	1
Feeding :			
No. of infants wholly breast fed on leaving institution	483	548	1,031
No. of infants who at any time received a supplementary or complementary feed	115	114	229

Training School : Midwifery—Part II.

No. of pupil midwives who passed the examination of the Central Midwives Board during the year	35

TABLE 21.

SPITTLESEA HOSPITAL ADMISSIONS

(According to diagnosis at admission).

	Scarlet Fever	Diphtheria	Cerebro-spinal Fever	Puerperal Pyrexia	Other*	No. of Patient days
January ...	13	4	—	—	1	391
February	17	—	—	—	3	404
March ...	27	—	1	1	7	435
April ...	14	—	1	1	8	305
May ...	8	1	1	—	7	239
June ...	6	—	2	1	8	198
July ...	5	1	1	1	6	165
August ...	3	1	1	1	18	218
September	4	—	—	2	18	332
October ...	5	—	1	1	7	329
November	8	—	—	2	10	344
December	3	2	—	2	6	320
Total ...	113	9	8	12	99	3.680

* Other cases total for year include : Measles 13, Whooping Cough 10, Meningitis 7, Erysipelas 3, Pemphigus 11, Conjunctivitis 4, Dysentery 10.

Available bed days	20,805	
Actual bed days of patients	3,680	
Percentage of bed occupation	17.68%	
Maximum number of patients on any one day	20	
Minimum number of patients on any one day	2	
No. of patients in hospital 31.12.1943	12	
No. of patients admitted during the year	241	
		253
No. of patients discharged well	234	
No. of patients who died	8	
No. of patients remaining in hospital 31.12.1944 ...	11	
		253

REPORT
of the
Chief Sanitary Inspector

SANITARY CIRCUMSTANCES OF THE AREA.

GENERAL.

Luton, which has an area of 8,736 acres, is situated in a valley between the Chiltern Hills at 200 to 400 feet above sea level in the town, rising to 400 to 600 feet above sea level on the surrounding hills. It is mainly built upon the upper chalk, with loam and clay deposits.

Meteorology.—The Luton Meteorological Station, which is under the control of the Borough Engineer, is situated in Wardown Park, New Bedford Road, from which the following observations were taken :—

Sunshine.—1,383.7 hours of sunshine were recorded throughout the year. The sunniest day being the 27th May, 1944, when 13.8 hours were recorded.

Rainfall.—The total rainfall recorded during the year was 20.97 inches, the wettest day being the 3rd April, 1944, when 1.2 inch of rain was recorded.

Temperatures.—The maximum temperature during the year was 88° F., recorded on the 29th May, 1944, whilst the minimum temperature was 21° F., on the 6th and 29th February, 1944, the mean temperature being 36.96° F.

Wind.—The prevailing wind during year was west.

WATER SUPPLY.

Luton has an abundant supply of excellent water which is distributed throughout the Borough by the Luton Water Company, and is derived from deep wells in the chalk situated in Crescent Road and Runley Wood. Chlorination of the supply is carried out, the average amount of chlorine pumped into the supply being .23 parts per million.

From information received from the Luton Water Company, the total amount of water supplied during the year ended 31st December, 1944, was 1,695,067,000 gallons. Assuming a population of 100,000 the total number of gallons used per head per day was approximately 46, an average of 22 gallons per head per day for industrial purposes, and 24 gallons per head per day for domestic use.

There was one new extension of water mains in the Borough during the year, of 252 yards of 4″ main off Icknield Way, Limbury.

In the new portion of the Borough, which was incorporated in April, 1933, there are still thirty houses which obtain their supply from driven tube wells.

Samples of water are taken regularly from the town mains at various points within the Borough and from other sources of supply for chemical and bacteriological examination.

The following is a summary of the samples of water taken during the year from all sources. Details of samples which were adversely reported upon are given below.

Number of samples of water examined by the Public Analyst ...	—
Number of samples of water examined by the Local Authority ...	201
Total	201

Number of samples of water obtained from :—

Crescent Road Pumping Station	98	
Runley Wood Pumping Station	99	
Domestic Supplies (Town Mains)	—	
Shallow and Deep Wells, etc.	1	
Other sources	3	
		201
Number of samples found upon examination to be satisfactory	200	
Number of samples found upon examination to be unsatisfactory—		
Presence of Bacillus Coli	1	
		201

DRAINAGE AND SEWERAGE.

The drainage of the old part of the Borough is semi-separate in character, the whole of the soil water sewage being dealt with by filtration. The major part of the effluent is discharged to the River Lea at a point where the river leaves the Borough, whilst the effluent from the New Mill End Sewage Purification Works is discharged to the River Lea at New Mill End.

CLOSET ACCOMMODATION.

The following table shows the number of pail closets, earth closets and cesspools in the Borough at the end of December, 1944 :—

Pail closets	34
Earth closets	0
Cesspools	161

During the year no cesspools were abolished.

All pail closets are emptied either once or twice weekly between the hours of 10 p.m. and 6 a.m.

Cesspools are emptied by means of mechanical plant as and when required.

PUBLIC CLEANSING—REFUSE DISPOSAL.

The system of refuse disposal is wholly controlled tipping.

From figures supplied by the Director of Public Cleansing, the weight of house and trade refuse disposed of during the year was 16,428 tons 19 cwts. 1 qr.

SANITARY INSPECTION OF THE AREA.

NUMBER AND NATURE OF INSPECTIONS MADE.

Complaints reported to Public Health Department	1,104
Primary Inspection :—	
Where nuisances were found	1,030
Where complaint was received and no nuisance found	189
Under Housing Acts	7
Under Rent Restriction Acts	2
Where Infectious Disease has occurred	269
Bakehouses	59
Caravans, Tents, etc.	16
Common Lodging Houses	2
Cowsheds	12
Dairies and Milkshops	457
Factories and Work Places	79
Fish Frying Premises	25
Fish Curing Premises	2
Food Preparing Premises	106
Food Storage Premises	82
Markets and Shops	65
Military Billets	112
Offensive Trades	3
Outworkers Premises	20
Restaurant Kitchens	90
Slaughterhouses (for meat inspection)	1,627
Schools	16
Stables and Piggeries	11
Theatres and Amusement Halls	38
Urinals—Public and Private	12

OTHER VISITS OR INSPECTIONS.

Drainage. Number of drains tested or exposed	17
Interviews	647
Investigations of Infestations of Insect pests (excluding bugs and fleas)	59
Smoke Observations	11
Visits to obtain Water Samples for Analysis	201
,, Rats and Mice Destruction	641
,, under The Food and Drugs Act, for Samples, etc.	479
,, to property under notice or work in progress	3,785
Miscellaneous visits	1,053
	12,328

ABATEMENT OF NUISANCES.

Drainage reconstructed	8
,, repaired, trapped, etc.	4
,, unstopped	140
Chambers constructed	1
Repairs to chambers or new covers	14
Cesspools emptied because of overflow	4
Soil or vent pipes—new fixed	1
,, ,, repaired	11
Water closets—repaired or supplied with water	191
,, ,, new pans or pedestals fixed	22
,, ,, additional constructed	1
,, ,, abolished	1
Waste Pipes—repaired or trapped	28
,, ,, or R.W.P.'s disconnected from drains	3
,, ,, R.W.P.'s and eaves gutters repaired	57
Sinks provided or replaced	1
Accumulations of refuse removed	5
Animals, fowls, etc.	8
Brickwork or pointings repaired	26
Coppers repaired or renewed	17
Dampness remedied	69
Damp Proof courses inserted	1
Dustbins supplied	116
Fireplaces, stoves and flues repaired	56
Flooring and other woodwork repaired or renewed	96
Floors—concrete or quarried repaired or renewed	9
Gas fittings or services repaired	13
Gullies in street unstopped	1
Overcrowding abated	2
Plaster repaired	141
Rat infestations abated	327
Rent Books made to comply with Regulations of Housing Act ...	4
Roofs made watertight	93
Stagnant water removed	2
Walls and ceilings cleansed	41
Water supplies reinstated or made sufficient	15
Windows—Cords, fasteners and glass repaired or renewed ...	87
Verminous rooms fumigated	427
Ventilation improved	4
Ventilation—sub-floor provided	6
Yards and passages paved	6
Miscellaneous	81
Total	2,140

STATUTORY NOTICES.

NUMBER OF LEGAL NOTICES ISSUED FOR ABATEMENT OR ABOLITION OF NUISANCES.

	Served	*Complied with*
Number of Outstanding Notices, 31st Dec., 1943 ...	1	1
Public Health Act, 1936. Section 39	4	4
Public Health Act, 1936. Section 45	5	4
Public Health Act, 1936. Section 56	1	1
Public Health Act, 1936. Section 93	14	12
Luton Corporation Act, 1911. Section 36	8	8
	33	30

INFECTIOUS DISEASES.

Premises inspected where notifiable diseases have occurred ...	269
Cases removed to Isolation Hospital	137
Rooms disinfected after infectious, contagious or other disease, etc.	355
Premises where repairs or redecorations have been carried out after infectious diseases	5
Rooms where walls and ceilings were rubbed down after infectious disease	173
Visits paid to ascertain if notices to repair or redecorate have been complied with	27
Rooms disinfected by occupiers	195
Premises visited tracing infectious diseases	36
Articles disinfected by steam at request of owners	7,583
Articles disinfected by fumigants at request of owners	92
Articles destroyed by burning at request of owner	88
Articles disinfected in connection with evacution	366
Total visits paid to infected premises	692

DISINFECTANT.

During the year, 40 gallons of disinfecting fluid were supplied to the public, free of charge, for use in premises where cases of infectious disease, etc., had occurred.

LIBRARY BOOKS.

During the year, 583 library books were withdrawn from circulation and were disinfected before they were returned.

PUBLIC SWIMMING BATHS.

There are two Public Swimming Baths in the Borough, both owned by the Corporation.

The Public Baths are situate in Waller Street, Luton, and consist of a covered Swimming Bath, 46 Slipper Baths, and 1 Vapour Bath, whilst the Open Air Swimming Pool, situate off New Bedford Road, Luton, caters for Swimming and Bathing only.

During the season of 1944, the following number of bathers were dealt with :—

	Waller Street Baths	*Open Air Swimming Pool*
Civilians	110,933	84,671
Members of H.M. Forces	31,575	479
Total	142,508	85,140

Chloroscope examinations of the water are carried out by the Attendants approximately three times per day, and in addition, samples of water are sent to the Public Analyst for examination every two months.

THEATRES

During the year a complete survey was made of the sanitary conditions in the six cinemas and two theatres in the town. Owing to alterations in the use of some cinemas, reconstruction of sanitary accommodation was necessary. In other cases minor defects required attention. Three cinemas required additional sanitary accommodation and in two cases the work has been completed, whilst in the other, work is in progress.

ERADICATION OF BED BUGS.

During the year ended 31st December, 1944, 98 complaints of verminous premises were received, and in 94 instances disinfestation was carried out. Prior to disinfestation, notices were served upon the owners of the premises to remove all paper hangings, skirtings, architraves, mouldings, etc., and the premises were re-inspected before these articles were reinstated.

The following table shows the number of premises and rooms dealt with during 1944 :—

	Number of Premises		Number of Rooms	
	Found to be infested	Disinfested	Found to be infested	Disinfested
Number of Council Houses	11	11	27	27
Number of other Houses	155	155	400	400
Number of cases where disinfestation has been carried out prior to removal from Clearance Areas, etc. into new Council Houses	—	—	—	—
Number of cases where disinfestation has been carried out by Corporation Disinfecting Officer	166	166	427	427
Number of cases where disinfestation has been carried out by Occupants or Contractors	—	—	—	—
Number of complaints of infestation received (98)	94	94	243	243
Number of cases found by Sanitary Inspectors	72	72	184	184

RATS AND MICE DESTRUCTION

In December, 1943, the Council accepted delegation of powers under the Rats and Mice Destruction Act, 1919.

A survey was made of the Borough to ascertain what rat infestation existed, and an appeal was made to the Public to report to the Health Department, any evidence of rats that came to their notice.

All areas of infestation were inspected, and it was found that only two major infestations existed, minor infestations amounted to approximately 200, of which the majority could be associated with the keeping of poultry and rabbits.

This information was the subject of a report to the Ministry of Food, in August, 1944, but since, many more infestations have been discovered totalling 320.

Two Rodent Operatives were appointed in June, 1944, and the following table shows the nature of the work that has been carried out :—

	Notifications of infestations received.	Premises where no action was necessary.	Infestations found	Treatment completed.	Infestations cleared.	Premises under and awaiting treatment.	Numbers of rats or mice destroyed.
Rats	301	32	269	218	218	50	1,281
Mice	19	—	19	12	12	7	656
Total	320	32	288	230	230	57	1,937

THE FACTORIES ACT, 1937.

Since the Factories Act became operative, inspection of factories within the Borough has been maintained, and unsatisfactory conditions have been recorded and appropriate action taken by the Local Authority.

As a result of the inspection of Basement Bakehouses, the Local Authority resolved that they were not satisfied that the Bakehouses were suitable for use as such, and gave the owners a period of eighteen months in which to cease using these premises.

Owing to present conditions, the period of eighteen months has been extended. The position will again be reviewed in January, 1946.

NATURE OF DEFECTS FOUND IN FACTORIES, FACTORIES (NO MECHANICAL POWER), AND WORKPLACES.

Number of premises inspected	2,309
Number inspected and found satisfactory	2,241
Number inspected and found unsatisfactory	68

LIST OF DEFECTS FOUND IN FACTORIES, FACTORIES (NO MECHANICAL POWER), AND WORKPLACES.

Abstract not posted	—
Cleanliness, want of	24
Dilapidations, General	11
Dustbins required	4
Drains choked or defective	4
Offensive accumulations	2
Rat or Mice infestation	17
Trade refuse burning	1
Ventilation, want of	3
Verminous	7
Water Closet, not separate for sexes	3
„ „ not ventilated	5
„ „ dirty condition	8
„ „ needing repair	7
„ „ not screened	6
„ „ not lighted	2
„ „ without indication	4
Water Supply insufficient	1
	104

REGISTERED FACTORIES AND FACTORIES (NO MECHANICAL POWER).
FACTORIES' ACT, 1937.

The following is a classified list of the Factories and Factories (No Mechanical Power) on the Register at the 31st December, 1944.

FACTORIES.

Hat Manufacturers	205
Upholsterers	3
Motor Vehicle Engineers, Repairs and Cycle Repairs	31
Boot Repairers	28
Corn Merchants	2
Joiners, Woodworkers and Carpenters	26
Builders	5
General Engineers	29
Undertakers	2
Hat Blockmakers	19
Bleachers, Dyers and Felt Body Makers	17
Breeze Block Manufacturers	2
Cardboard Box Makers	16
Chocolate, Cocoa and Sweet Manufacturers	2
Printers and Letterpress Printers	20
Hat Lining Manufacturers	12
Sheet Metal Workers	3
Electrical Engineers	13
Cellulose Spraying	1
Jigs and Tools Maker	1
Acetylene Welders	1
Sausage Makers, Pie Makers, etc.	10
Electro-platers	1
Iron Founders	7
Stone Masons	3
Tailors and Clothiers	14
Machine Makers	1
Hat Materials Merchants	2
Saw Mills	2
Laundries	5
Sewing Machine Engineers	2
Pattern Makers	2
Mineral Water Manufacturers and Brewers	5
Photographic Printers and Developers	3
Feather Dyeing and Mounting	4
Chemical Makers	4
Blacksmiths	3
Garment Makers and Menders and Corset Makers	5
Dairies	6
Knitted Hood Makers and Proofers	2
Glass Workers	4
Brass and Aluminium Founders	3

Coach and Motor Body Builders	2
Miscellaneous	26
	554

FACTORIES (NO MECHANICAL POWER).

Joiners	5
Weighing Machine Repairers and Scale Makers	2
Upholsterers	2
Painters and Plumbers	1
Tailors	6
Blacksmiths and Wheelwrights	6
Coach Builders and Repairers, Motor Vehicle and Cycle Repairers	3
Sheet Metal Workers	1
Watch, Clock, Jewellery and Typewriting Repairs	2
Hat and Millinery Manufacturers	3
Dress and Coat Makers and Alterations	4
Builders' Yards and Brickmakers	4
Boot Repairers	2
General Engineers	2
Sweet Manufacturers	1
French Polishers	1
Feather Work	1
Floor Polish Manufacturer	1
Paper Bag Manufacturer	1
Miscellaneous	8
	56

MATTERS REFERRED BY H.M. INSPECTOR OF FACTORIES.

Action taken in matters referred by H.M. Inspector of Factories as remediable under the Public Health Acts, but not under the Factory and Workshop Acts :—

Notified by H.M. Inspector	17
Reports (of action taken) sent to H.M. Inspector	17
Number of Defects remedied as a result of such action	28

TABLE 22. OUTWORKERS RETURNS.

Nature of Work	OUTWORKERS LISTS Section 110, Factories Act, 1937. Section 107, Factory and Workshop Act, 1901.									Outwork in unwholesome premises, Sec. 111.			Outwork in infected premises, Sec. 153. P H.A. 1936.			Lists forwarded to other Authorities				Lists received from other Authorities			
	Lists received from Employers and other Authorities						Notices served on occupiers as to keeping or sending lists	Prosecutions															
	Sending once in the year			Sending twice in the year																			
	Outworkers			Outworkers																			
	Lists	Contractors	Workmen	Lists	Contractors	Workmen		Failing to keep and permit inspection of lists	Failing to send lists.	Instances	Notices served	Prosecutions	Instances	Orders made Sec. 153. P.H.A. 1936	Prosecutions Sec. 153. P.H.A. 1936	Local Authorities to whom lists of outworkers have been forwarded	Number of lists	Workmen	Contractors	Authorities from whom lists have been received	Number of lists	Workmen	Contractors
Making, &c.(1) Wearing Apparel	9	2	30	3	3	1	0	0	0	0	0	0	Where cases have arisen work has been withheld by verbal arrangement			Luton R.D.C. ...	1	1	–	Finsbury M.B. ...	1	1	–
(2) Artificial Flowers	1	–	1	–	–	–							No separate Records kept			Ampthill R.D.C.	1	1	–	Hackney B.C. ...	1	1	–
																Harp'den U.D.C.	1	1	–	City of Westm'ter	1	3	–
																				Southwark B.C.	1	3	–
																				Shoreditch M.B.	1	1	–
																				Stepney M.B. ...	1	–	5
																				St. Pancras M.B.	1	1	–
																				St. Maryl'b. M.B.	1	1	–
Totals	10	2	31	3	3	1	0	0	0	0	0	0					3	3	—		8	11	5

The homes of all outworkers are visited by the Sanitary Inspectors who deal with any nuisance or other irregularity

HOUSING.

I.—Inspection of Dwelling-houses during the year :—

(1) (*a*) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ...	1,752
(*b*) Number of inspections made for the purpose	4,722
(2) (*a*) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Acts	5
(*b*) Number of inspections made for the purpose	58
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	4
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	1,047

II.—Remedy of defects during the year without service of formal Notices :—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	917

III.—Action under Statutory Powers during the year :—

A.—Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	0
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(*a*) By Owners	0
(*b*) By Local Authority in default of owners ...	4

B.—Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	32
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(*a*) By Owners	30
(*b*) By Local Authority in default of owners ...	0

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which Demolition Orders were made 4

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders 0

D.—Proceedings under Section 12 of the Housing Act, 1936 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made 0

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit 0

Housing Act, 1936 :—

(*a*) (i) Number of dwellings overcrowded at end of year ... 21

(ii) Number of families dwelling therein 29

(iii) Number of persons dwelling therein 208

(*b*) Number of new cases of overcrowding reported during the year 2

(*c*) (i) Number of cases of overcrowding relieved during the year 2

(ii) Number of persons concerned in such cases 16

(*d*) Cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding 0

(*e*) (i) Number of Council houses found to be overcrowded at end of year 2

(ii) Number of families dwelling therein 3

(iii) Number of persons dwelling therein 21

(*f*) (i) Number of cases of overcrowding in Council houses relieved during the year 2

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLY: MILK AND DAIRIES ACTS AND ORDERS, ETC.

	On Register Dec. 31st, 1943	*On Register Dec. 31st, 1944*
Registered :—		
Cowkeepers	11	11
Wholesalers	11	10
Registered Purveyors for Sale of :—		
Tuberculin Tested Milk	—	5
Tuberculin Tested Milk (Certified)	1	1
Pasteurised Milk	2	3
Ungraded Loose Milk	79	67
Prepacked Milk only	210	153

MILK (SPECIAL DESIGNATIONS) ORDER

The following licences were granted during 1944 :—

Tubercular Tested Milk (Certified)—			
Supplementary	1		
	—	1	
Tuberculin Tested Milk—			
Establishment at which the Milk is bottled	2		
Establishment where Milk is sold in bottles as supplied by wholesaler	3		
	—	5	
Pasteurised	3	3	
	—	—	9
Number of Milk Vendors resident in Borough			200

BACTERIOLOGICAL EXAMINATION OF MILK.

During the year, 213 samples of milk were submitted for bacteriological examination and Table 23 shows the results of these examinations.

TABLE 23. BACTERIOLOGICAL EXAMINATION OF MILK.

	Samples reported to contain :—												
	Total number of samples submitted	B. Coli in tubes			%	Strep-to cocci	%	Pus cells	%	Dirt	%	Acid fast Organ-isms	%
		1	2	3									
Ordinary Milk	101	3	9	27	38.61	24	23.76	68	67.32	—	—	1	0.99
Pasteurised	93	8	3	10	22.58	1	1.07	58	62.37	—	—	—	—
Tuberculin Tested ...	7	1	—	—	14.28	—	—	5	71.43			—	—
Tuberculin Tested (Certified) ...	12	—	—	—	—	1	8.33	1	8.33	—	—	—	—
Total	213	12	12	37	28.64	26	12.22	132	61.97	—	—	1	0.47

A number of unsatisfactory samples was taken from large bulk supplies and it was impossible to trace infection back to its source, but in 43 cases, the matter was taken up with the County Councils, Producers and Retailers concerned.

TABLE 24.

SUMMARY OF CHEMICAL ANALYSES OF MILK SAMPLES.

Period	No. of Samples Examined	AVERAGES Fat %	Solids not Fat %
January	27	3.74	8.87
February	22	3.43	8.89
March	28	3.51	8.80
Quarter ended 31.3.44 ...	77	3.56	8.85
April	25	3.52	8.64
May	26	3.28	8.80
June	32	3.23	8.74
Quarter ended 30.6.44 ...	83	3.33	8.73
July	44	3.72	8.77
August	26	3.52	8.59
September	18	3.69	8.69
Quarter ended 30.9.44 ...	88	3.65	8.70
October	27	3.76	8.51
November	32	3.71	8.80
December	26	3.75	8.83
Quarter ended 31.12.44 ...	85	3.74	8.72
Year ended 31.12.44 ...	333	3.57	8.75

Sixteen samples of milk were taken for examination for the presence of Tubercle Bacilli under the Food and Drugs Act, 1938. Guinea Pigs were inoculated and the Post-mortem results were proved negative for tuberculosis and abortus infection.

BACTERIOLOGICAL EXAMINATION OF WASHED MILK BOTTLES

Twenty-eight washed milk bottles and eight samples of rinse water were taken for bacteriological examination by the Local Authority. Six bottles were found to be unsatisfactorily cleaned, and two rinse water results showed that an improvement could be made.

The matters were taken up with the dairymen concerned, and an improvement achieved.

MARGARINE PREMISES.

Number of premises wherein the business of a wholesale dealer in margarine is carried on :—

On Register at 31st December, 1944 17

INSPECTION OF MEAT AND OTHER FOODS.

The amount of unsound food condemned and destroyed during the year comprised :—

No. of Parcels.	*Article.*	*Weight in lbs.*
3,693	Beef	179,643
71	Pork	1,806
212	Mutton	1,650
	Bacon and Ham	83
	Fruit—Fresh and Canned	510
	Vegetables—Fresh and Canned and Soups	3,608
	Fish—Fresh and Canned	4,173
	Sausage and Sausage Meat	157
	Butter and Cheese	101
	Canned Milk	533
	Canned and Cooked Meat	1,404
	Flour and Bread	1,685
	Preserves	743
358	Tea	36
	Pearl Barley	123
	Cake and Pudding Mixture	268
	Dried Fruit	284
	Cereals	61
	Sugar	110
	Sweets	42
4,334		197,020

87 tons 19 cwts. 0 qrs. 12 lbs.

The above statement includes the weight of the entire carcases and organs of 33 cattle, excluding cows, 94 cows, 23 calves, 5 sheep and lambs and 7 pigs.

In addition, the following articles which were not weighed were condemned :—

No. of Parcels.	*Article.*	*Number*
	Eggs	79
	Fish Cakes	865
	Meat Pies	170
	Sausage Rolls	8
	Oranges	489
	Crumpets	2,360
	Cockerels	15
62	Milk	32 pints
	Pickles and Sauces	6 bottles
	Coffee Essence	1 bottle
	Cereals	8 packets
	Cake and Pudding Mixture	49 packets
	Meat Paste	2 bottles
	Sweets	96 packets
	Cordials	18 bottles
	Sundries	295

TABLE 25.

MEAT INSPECTION IN SLAUGHTERHOUSES.

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Total
Number killed	3,996	2,270	3,304	8,559	367	17,596
Number inspected ...	3,996	2,270	3,304	8,559	367	17,596
Percentage of number killed which were inspected ...	100%	100%	100%	100%	100%	100%
All diseases except Tuberculosis : Whole carcases condemned	—	11	8	5	4	28
Carcases of which some part or organ was condemned	815	726	18	531	30	2,120
Percentage of the number inspected affected with disease other than tuberculosis	20.40%	32.47%	0.79%	6.26%	9.26%	12.21%
Tuberculosis only : Whole carcases condemned	33	83	15	—	3	134
Carcases of which some part or organ was condemned	702	901	1	—	38	1,642
Percentage of the number inspected affected with tuberculosis	18.39%	43.34%	0.48%	—	0.11%	10.09%

CONGENITAL TUBERCULOSIS IN CALVES.

During the year the Ministry Veterinary Inspector was notified of four cases of Congenital Tuberculosis in Calves and as a result the dams were inspected by the Veterinary Inspector, but Clinical evidence of Tuberculosis was not discovered.

SLAUGHTER OF ANIMALS ACT, 1933.

Number of slaughtermen on Register at 31st Dec., 1943	30
„ „ added to Register during 1944	2
	32
„ „ deleted from Register during 1944 ...	0
„ „ on Register at 31st Dec., 1944	32
Number of applications for licences refused during 1944	0

SALE OF FOOD AND DRUGS ACTS.

During the year, 318 samples were taken, 150 being formal and 168 informal samples.

Formal	*Informal*	*Nature of Sample*
—	1	Bread and butter
—	4	Butter
—	4	Cheese
—	17	Cooked meats
—	3	Confectionery, sweets, etc.
—	7	Fish—canned and fish and meat paste
—	10	Fruit—fresh and preserved
—	59	Groceries—miscellaneous
—	14	Jam, honey, marmalade, etc.
—	2	Lard
—	4	Margarine
146	—	Milk
—	18	Patent medicines and chemical substances
—	15	Temperance drinks and non-alcoholic wines
—	1	Sausages and sausage meat
4	9	Wines, spirits and beers
150	168	
318		

TABLE 25.

Of the samples analysed, 25 were reported to be not genuine, details of which, and the action taken in regard thereto, are as follows :—

Sample No.	Formal	Article	Adulteration or other irregularity	Action taken
6784	1	Milk	Milk fat deficiency 10%	Matter investigated at source of supply, milk found to be as given by the cow.
6753	1	Milk	Added water 2.1% ...	Matter investigated and Vendor warned.
6754	1	Milk	Milk fat deficiency 6.6%	Matter investigated and Vendor warned.
6755	1	Milk	Milk fat deficiency 3.3%	Matter investigated and Vendor warned.
6715	1	Milk	Milk fat deficiency 5.3%	Matter investigated and Vendor warned.
6719	1	Milk	Added water 2.1% ...	Matter investigated and Vendor warned.
6764	1	Milk	Milk fat deficiency 12.6%	Milk found to be as given by the cow, supported by appeal to cow. Producer advised as to future action.
6732	1	Milk	Milk fat deficiency 15%	Matter investigated. Days' yield found to be up to standard. Producer advised regarding handling of milk.
6734	1	Milk	Milk fat deficiency 10%	Matter investigated. Milk found to be as given by the cow. Producer advised to contact W.A.E.C.
6735	1	Milk	Milk fat deficiency 6.6%	Matter investigated and Vendor warned.
6775	1	Milk	Milk fat deficiency 2.6%	Matter investigated and Vendor warned.
6776	1	Milk	Milk fat deficiency 3.3%	Matter investigated and milk found to be as given by the cow. Producer advised to contact W.A.E.C.
6777	1	Milk	Milk fat deficiency 8%	Matter investigated and milk found to be as given by the cow. Producer advised to contact W.A.E.C.
6778	1	Milk	Milk fat deficiency 3%	Matter investigated and milk found to be as given by the cow. Producer advised to contact W.A.E.C.
6739	1	Milk	Milk fat deficiency 12%	Samples all from one source, the milk was as given by the cow. Animals stripped by use of calves. *Circumstances at farm did not warrant institution of proceedings.
6740	1	Milk	*Added water 7.1%	
6780	1	Milk	*Added water 5.1%	
6781	1	Milk	Milk fat deficiency 5%	
6782	1	Milk	*Added water 3.6%	
6804	1	Milk	Milk fat deficiency 6.0%	
6807	1	Milk	Milk fat deficiency 22%	
6819	1	Milk	Milk fat deficiency 6.6%	
6820	1	Milk	Milk fat deficiency 4%	
6828	1	Milk	Added water 5.8% ...	Proceedings instituted under Section 3 of the Food & Drugs Act, 1938. Producer convicted and fined £1 plus 15s. 6d. costs.
6790	1	Bread & Butter	Fatty portion not derived from milk.	Third portion submitted to Government chemist. Result, summons withdrawn.